AR

Notice of Allowability	Application No.	Applicant(s)	
	09/717,680	LOVELL ET AL.	
	Examiner	Art Unit	
	Insun Kang	2193	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *10/31/2007*.

2. ☒ The allowed claim(s) is/are *1, 2, 4-9, 12, and 14-28 (renumbered as 1-24)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *20071217* .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. McGlynn on 12/14/2007.

2. The application has been amended as follows:

1. (Currently Amended) A computerized system <u>having a processor</u> for software development comprising:

a source code editor ~~operable~~ to edit a source code module;

a graphical design surface ~~operable~~ to display a graphical object representing actual code of the source code module and provide integrated testing of the source code module, wherein the integrated testing includes load testing;

a change manager ~~operative~~ to manage versioning of the source code module;

an application datastore ~~operative~~ to store a previous version of the source code module; and

a package manager ~~operative~~ to provide an interface ~~adapted~~ for highlighting a set of software modules to be grouped together as a package and further ~~adapted~~ for receiving properties to be associated with [[a]] <u>the</u> package,

wherein upon a change in the source code module, the change in the source code is immediately communicated to the graphical design surface and the graphical design surface is updated to reflect the change in the source code module, wherein the design surface displays the graphical object, the graphical object represents a database object, the design surface ~~is operative to~~ binds a particular database system to the database object, the database object further includes a database column, the source code module includes a variable, and the design surface ~~is operative to~~ binds the database column to the variable.

8. (Currently Amended) The computerized system of claim 1, further comprising at least one compiler ~~operative~~ to compile the source code module into an object code format.

9. (Currently Amended) The computerized system of claim 1, wherein the design surface ~~is operative to~~ binds the source code module to the at least one compiler.

14. (Currently Amended) The computerized system of claim [[13]] 1, wherein the package manager ~~is operative to~~ receives a list of system identifiers, each of the system identifiers identifying a particular computer system, and wherein the package manager [[is]] further ~~operative to~~ provides an interface to determine the particular system to deploy the package to.

15. (Currently Amended) A computerized method for developing a software project, the method comprising:

creating a graphical object on a design surface, the graphical object representing actual code of a software module;

binding the graphical object to an application type;

generating source code particular to the application type;

maintaining versioning data of the software module; ~~and~~

storing a previous version of the software module;

receiving identification of a set of software modules to be grouped together as a package; and

receiving properties to be associated with [[a]] the package,

wherein the design surface displays the graphical object, the graphical object represents a database object, the design surface ~~is operative to~~ binds a particular database system to the database object, the database object further includes a database column, the source code module includes a variable, and the design surface ~~is operative to~~ binds the database column to the variable, wherein the design surface further provides support for integrated testing of the software module, further wherein the integrated testing includes load testing.

22. (Currently Amended) A ~~computer-readable~~ computer-storage medium having computer executable instructions for performing a method for developing a software project, the method comprising:

creating a graphical object on a design surface, the graphical object representing actual code of a software module;

binding the graphical object to an application type in response to a user input selecting an application type;

generating source code particular to the application type;

maintaining versioning data of the software module;

storing a previous version of the software module;

in response to a user input, creating a package populated with different software components;

receiving a user input identifying properties to be associated with the package;

in response to a user input, creating a deployment group comprising a collection of packages for deployment;

presenting a matrix of machines and defined deployment groups;

receiving a user input mapping a deployment group to a set of machines; and

storing the mapping of [[a]] the deployment group to [[a]] the set of machines,

wherein the design surface displays the graphical object, the graphical object represents a database object, the design surface ~~is operative to~~ binds a particular database system to the database object, the database object further includes a database column, the source code module includes a variable, and the design surface ~~is operative to~~ binds the

database column to the variable, wherein the design surface is further operative to provide integrated testing of the software module, further wherein the integrated testing includes load testing.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Insun Kang whose telephone number is 571-272-3724. The examiner can normally be reached on M-F 8:30-5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MENG AI AN can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

IK
AU 2193

MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 21